

Abstract

In a magnetoresistive element which includes at least a pair of ferromagnetic layers stacked with having an intermediate layer inbetween and achieves a change in the magnetic resistance by permitting a current to flow in the direction which crosses the plane of the stacked layers, by virtue of having a construction wherein at least one ferromagnetic layer constituting an information recording layer has an amorphous structure containing a CoFeB or CoFeNiB alloy and has a plane form having a longer axis in one direction wherein both sides thereof along the longer axis direction form a straight line or a curved outward, and the both ends thereof in the longer axis direction form a curved or bent outward from, wherein the pattern form has an aspect ratio of 1:1.2 to 1:3.5, excellent asteroid curve having consistency in the properties can be stably obtained.